

TAS 3453A-14

T.H. 61

CO. RD. 19 TO BELDEN BLVD.

S.P. 8205-34

MARCH 1968

OFFICE OF  
TRANSPORTATION SYSTEM PLANNING

MINNESOTA HIGHWAY DEPARTMENT



DEPARTMENT HIGHWAY

## Office Memorandum

TO : Paul G. Velz  
Road Design Engineer

DATE: March 5, 1968

FROM : Leon F. Bergmann, Acting Chief  
Traffic Analysis Section

SUBJECT: TH 61; Co. Rd 19 to Belden Blvd.  
SP 8205-34  
TAS 3453A-14

The Traffic Analysis Section transmits this report in response to R. M. Hill's August 14, 1967 request and J. G. Osendorf's January 19, 1968 request for the 1985 ADT, DHV and HCA DT for the project location as shown on the map on page 2.

The 1985 ADT for the TH 61 interchanges at CR 19, Munger St., Belden Blvd., and Scott Drive is on the map for Alternate 1 on page 3. The 1985 ADT for the TH 61 interchange for Scott Drive is on the map for Alternate 2 on page 4. Alternate 2 combines the Belden and Scott interchanges shown on Alternate 1.

For each numbered segment on page 3 the following data are tabulated on pages 5 through 7 and for each numbered segment on page 4 they are tabulated on page 8:

- a) Total ADT
- b) Vehicle Type Distribution
- c) Total Heavy Commercial ADT

The highest 1985 ADT for any section on the project is on TH 61 Northwest of the interchange for Scott Drive. Its 1985 ADT of 44000 is at segment 26 in Alternate 1 and segment 32 in Alternate 2. This section has a 1966 ADT of 13680.

The basic data, method, and assumptions used to prepare this report are presented on page 9.

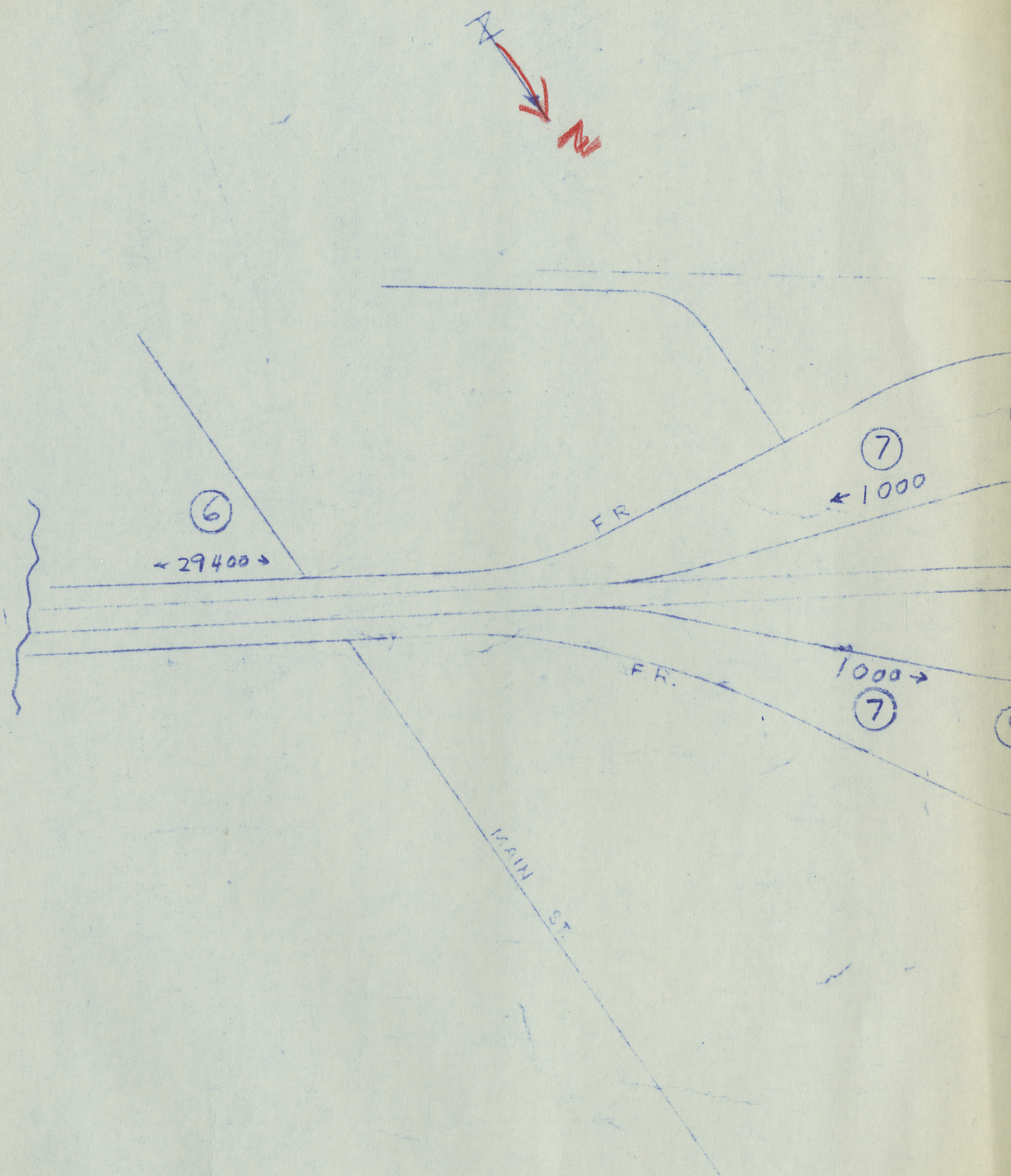
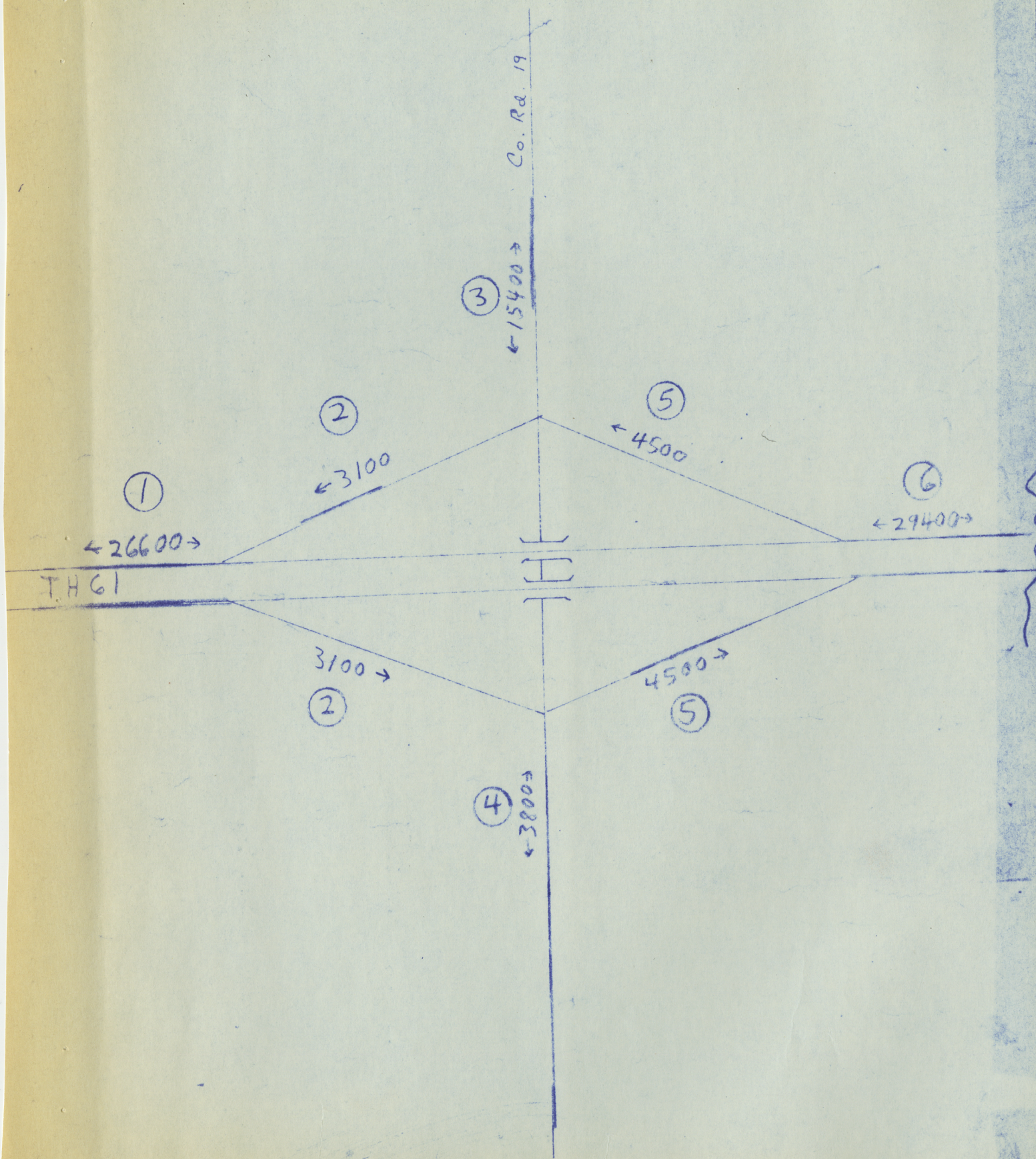
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*Leon F. Bergmann*

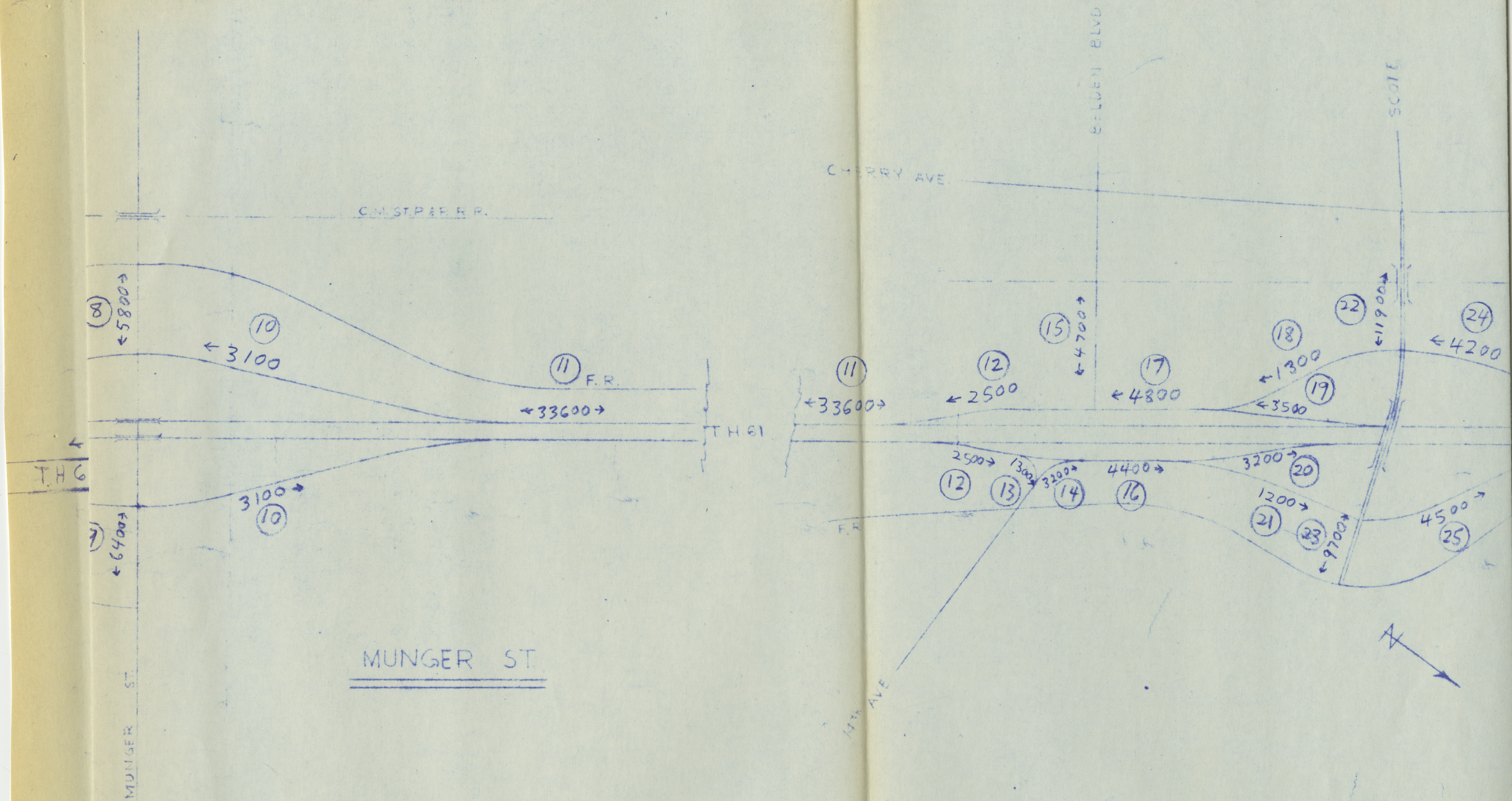
STATE OF MINNESOTA  
DEPARTMENT OF HIGHWAYS  
WORK MAP

Project Location  
SP 8205-34

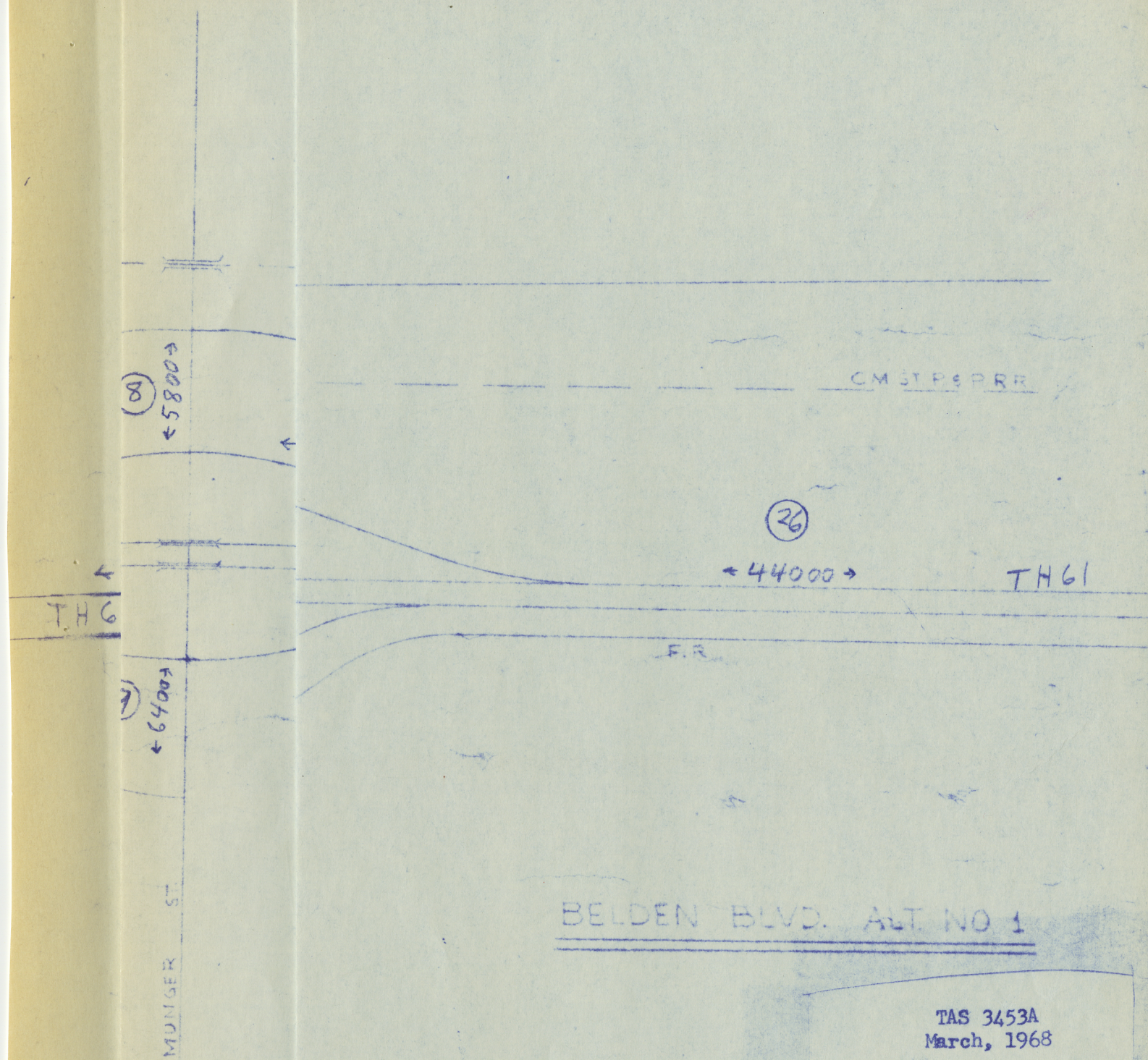










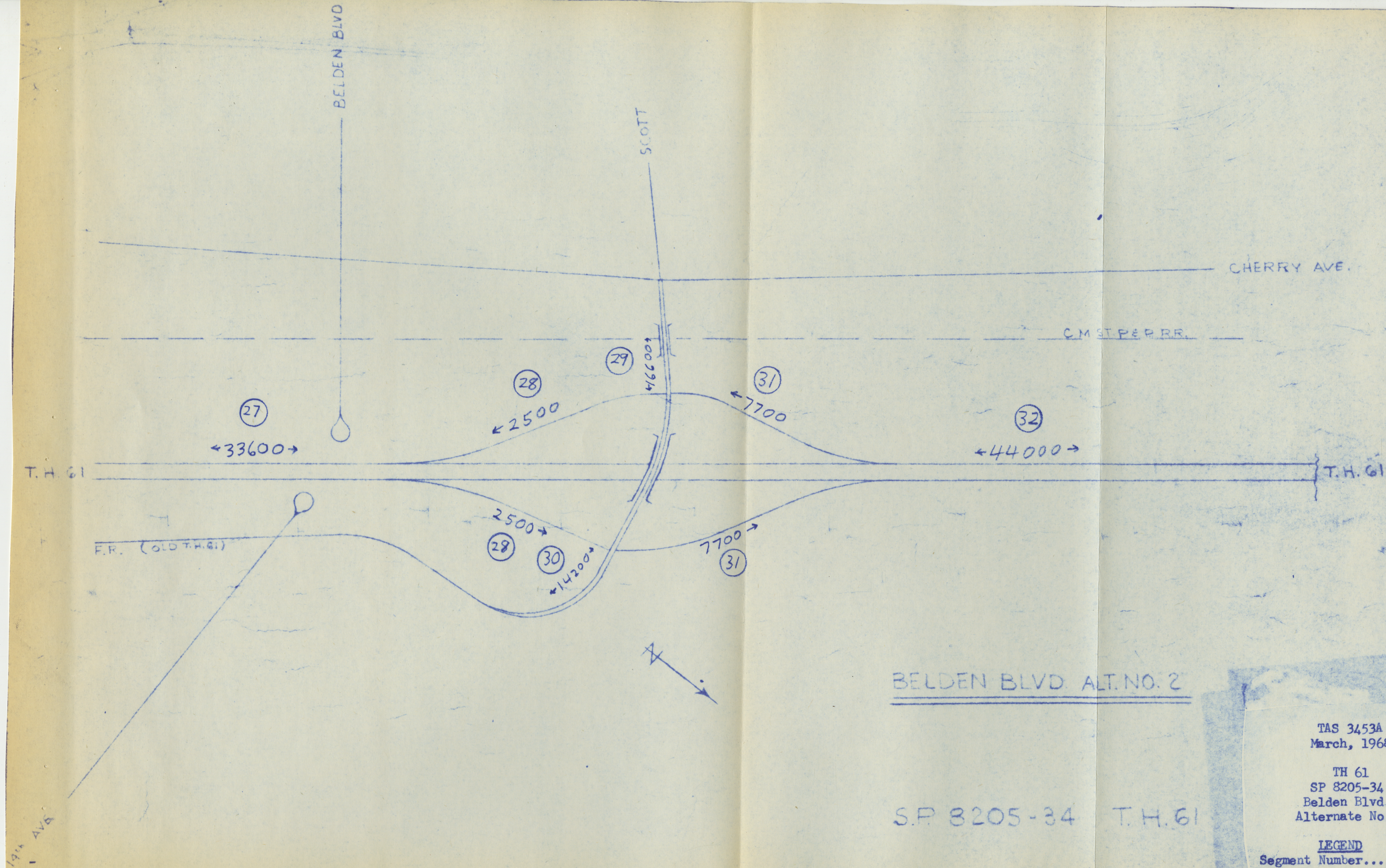


TAS 3453A  
March, 1968

TH 61  
SP 8205-34  
Co. Rd. 19 to Belden Blvd.  
Alternate No. 1

LEGEND  
Segment Number..... 26  
1985 ADT..... 44000





TAS 3453A  
March, 1968

TH 61  
SP 8205-34  
Belden Blvd.  
Alternate No. 2

**LEGEND**  
Segment Number..... 32  
1985 ADT..... 44000



## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 3

FOR

T.H. 61 S.P. 8205-34 LENGTH - MILESCOUNTY Washington LOCATION Co. Rd. 19 to Belden Blvd.Alternate No. 1

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP for Alternate 1 on page 3.

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	25099	2964	14630	3620	4249	27669	936	5510	6082	2963	31723
1	642	75	476	151	133	768	40	244	262	86	860
2	103	19	93	16	35	140	7	26	29	15	156
3	102	15	70	6	27	126	3	10	11	6	132
4	229	7	36	4	14	243	5	6	8	11	255
5	420	20	90	3	37	454	9	4	8	19	474
6											
TOTAL ADT	26600	3100	15400	3800	4500	29400	1000	5800	6400	3100	33600
TOTAL H. COMM. ADT	1501	136	770	180	251	1731	64	290	318	137	1877
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 3

FOR

T.H. 61 S.P. 8205-34 LENGTH - MILESCOUNTY Washington LOCATION Co. Rd. 19 to Bedlen Blvd.Alternate No. 1

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP for Alternate 1 on page 3.

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	2340	1217	3058	4474	4181	4562	1217	3345	3059	1122	11334
1	130	67	117	185	180	195	67	128	116	64	463
2	14	7	13	21	20	21	7	14	13	7	50
3	7	4	6	10	9	11	4	7	6	3	23
4	5	3	3	5	5	6	3	3	3	2	15
5	4	2	3	5	5	5	2	3	3	2	15
6											
TOTAL ADT	2500	1300	3200	4700	4400	4800	1300	3500	3200	1200	11900
TOTAL H. COMM. ADT	160	83	142	226	219	238	83	155	141	78	566
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS



## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 3

FOR

T.H. 61 S.P. 8205-34 LENGTH - MILESCOUNTY Washington LOCATION Co. Rd. 19 to Belden Blvd.

Alternate No. 1

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 26 AS

DEFINED ON ATTACHED INDEX MAP for Alternate 1 on page 3.

VEHICLE # TYPE	SEGMENT NUMBER									
	23	24	25	26						
0	9250	4014	4302	41763						
1	368	152	162	1153						
2	41	17	18	190						
3	18	7	8	146						
4	11	5	5	261						
5	12	5	5	482						
6										
TOTAL ADT	9700	4200	4500	44000						
TOTAL H. COMM. ADT	450	186	198	2237						
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 1

FOR

T.H. 61 S.P. 8205-34 LENGTH - MILESCOUNTY Washington LOCATION Belden Blvd. Alt. No. 2

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 27 THROUGH 32 AS

DEFINED ON ATTACHED INDEX MAP Alternate 2 on page 4

VEHICLE # TYPE	SEGMENT NUMBER									
	27	28	29	30	31	32				
0	31723	2340	15808	13525	7360	41763				
1	860	130	648	552	279	1158				
2	156	14	71	61	31	190				
3	132	7	33	28	14	146				
4	255	5	20	17	8	261				
5	474	4	20	17	8	482				
6										
TOTAL ADT	33600	2500	16600	14200	7700	44000				
TOTAL H. COMM. ADT	1877	160	792	675	340	2237				
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS



BASIC DATA, METHOD, AND ASSUMPTIONS

The System 14 estimate of 1985 ADT and DHV for the project were transmitted in TAS 536-14 on February 5, 1968.

The total heavy commercial volumes presented in this report are from the System 14 computer assignment of HCADT.

These total HCADT volumes were distributed by vehicle type according to data obtained from appropriate classification counts. Volumes for buses (vehicle type 6) were not included in the distribution. However, since the area to the west and east of the study section is highly residential and has several schools it is estimated that school buses could account for two percent of the total traffic.